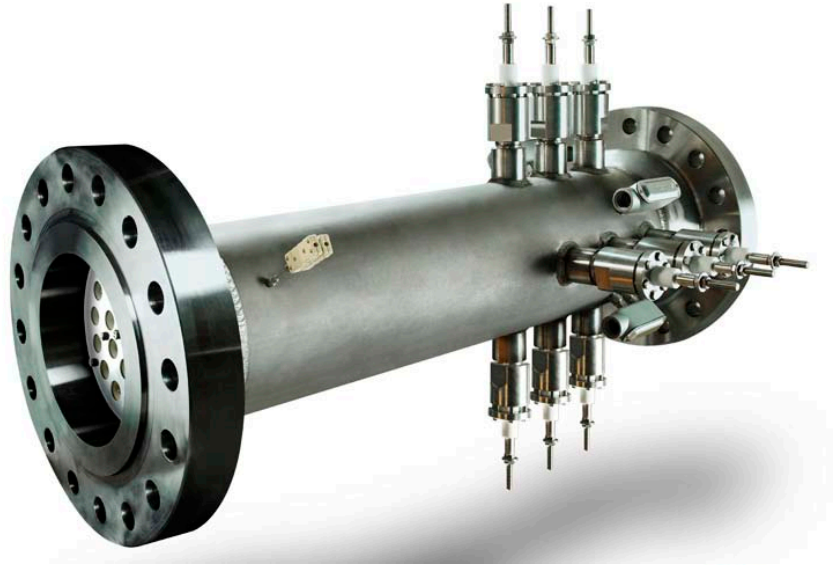


Flanged Inline Air Heater

Specifications

- Electric process inline air heater with ANSI standard pipe and flanges for heating high pressure air or inert gases to **1400°F (760°C)** and higher.
- With SYLVANIA's patented Serpentine elements, you can reach set point temperature within just a few seconds or minutes, versus the much slower response of tubular element designs.
- Standard heater models range from 2.5" pipe size (18kW) to 10" pipe size (400kW). (400kW model shown in photo.) Custom heater models are available upon request.
- Maximum static pressures to 150 PSI (10 BAR).
- Maximum inlet air temperature 900°F (482°C).
- "K" type thermocouple probes included for accurate control and safety.
- Each 6" diameter and larger heater model is supplied with four (4) internal "K" type thermocouples attached to heater element for additional protection.
- Elements are easily replaceable as a complete cartridge assembly.



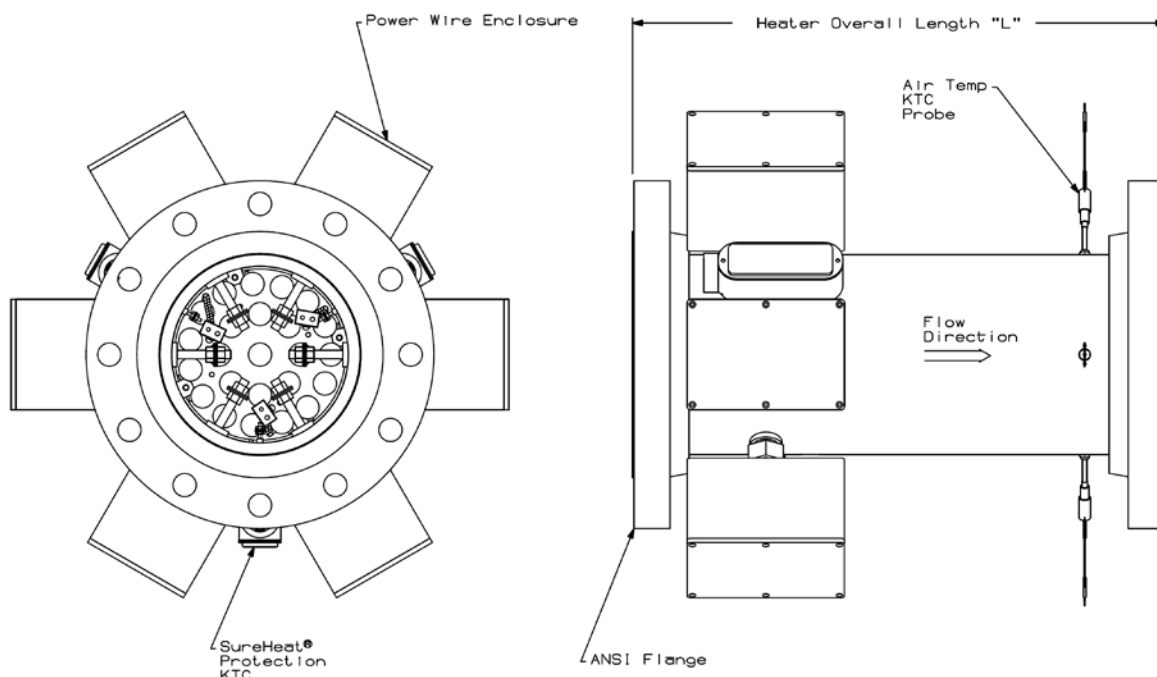
Ultra High Pressure (UHP) models (>150 psi) are available with ASME Section VIII Div. 1 code stamp. Models up to 800 PSI (54 BAR) have been supplied.

Custom SCR power and temperature control cabinets are available on request.

On-site start-up assistance can also be provided.

Contact OSRAM SYLVANIA Engineering for more information.

Installation (8" size shown)



Products

| Heater Part Number | Nominal Pipe Size | Max. Watts | Max. AC Volts | Max. Amps | Heater Overall Length "L" | Flange ANSI Class | Vessel Material | Air Temp KTC Probes | SureHeat® protection KTC's | Replacement Element Part Number |
|--------------------|-------------------|------------|---------------|-----------|---------------------------|-------------------|-----------------|---------------------|----------------------------|---------------------------------|
| F072631 | 2.5" | 18kW | 480/3 ϕ | 22 | 16.0" (406mm) | 150lb | 304SS | 2 | 0 | F076062 |
| F076202 | 2.5" | 24kW | 480/3 ϕ | 29 | 16.0" (406mm) | 150lb | 304SS | 2 | 0 | F076203 |
| F076208 | 4" | 36kW | 480/3 ϕ | 44 | 23.0" (584mm) | 150lb | 304SS | 2 | 0 | F076209 |
| F076204 | 4" | 48kW | 480/3 ϕ | 58 | 23.0" (584mm) | 150lb | 304SS | 2 | 0 | F076205 |
| F073377 | 6" | 72kW | 480/3 ϕ | 87 | 23.0" (584mm) | 300lb | 304SS | 3 | 4*** | F073378 |
| F076206 | 6" | 96kW | 480/3 ϕ | 116 | 23.0" (584mm) | 300lb | 304SS | 3 | 4*** | F076207 |
| F073384 | 8" | 144kW | 480/3 ϕ | 175 | 23.0" (584mm) | 300lb | 304SS | 3 | 4*** | F073385 |
| F073153 | 8" | 192kW | 480/3 ϕ | 235 | 23.0" (584mm) | 300lb | 304SS | 3 | 4*** | F073253 |
| F076013* | 10" | 400kW | 480/3 ϕ | 482 | 52.75" (1340mm) | 600lb | 316HSS | 2** | 4*** | F076041 |

* heater P/N F076013 is designed for 300 PSI operation.

** two duplex probes supplied for total of 4 air temp KTC's.

*** requires SUREHEAT® Four-zone limit circuit, Sylvania P/N F073262 (purchased separately).

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03/2009